

## Outlineoffungi.org - Note 790 [Mangifericola](#)

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[Mangifericola](#) E.F. Yang & Tibpromma

Yang et al. (2022) described [Mangifericola](#) with [M. hongheensis](#) E.F. Yang & Tibpromma as the type species, a saprobe, isolated from a dead branch of *Mangifera indica* in Yunnan Province, China, and placed within the [Diatrypaceae](#), [Sordariomycetes](#). The sexual morph of the genus has poorly developed, irregular, and raised pseudostroma delimited by a black surface, with immersed, irregular to subglobose, clustered ascomata with extended necks on the distinct black region. Ostioles are cylindrical, sulcate with periphysate ostiolar canals. The multi-layered peridium with dark brown outer and hyaline inner layers of cells of *textura angularis*, 8-spored, cylindrical to oblong, unitunicate, pedicellate, straight to fairly-curved, hyaline, apically flat asci, and oblong to allantoid, hyaline, or yellowish ascospores with oil droplets at both ends when mature, are characteristics of the genus (Yang et al. 2022). [Mangifericola](#) differs from the other diatrypaceous genera by having a single prolonged neck erect from black pigmented lesions on the wood surface. In addition, the combined ITS- $\beta$ -tubulin phylogeny shows that [M. hongheensis](#) forms a distinct clade with poor statistical support (Yang et al. 2022). Liu et al. (2015) introduced *Diatrype palmicola* J.K. Liu & K.D. Hyde as a saprobe on dead branches of *Caryota urens* L. (Arecaceae) from Thailand, which is similar in having a black corticated area, clustered ascomata in small groups, immersed ascomata with visible extended necks, and lack of paraphyses. However, future phylogeny needs to be revised with *Diatrype palmicola* to confirm the taxonomic placement due to the lack of  $\beta$ -tubulin gene.

### References

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- Yang E-F, Karunarathna SC, Dai DQ, Stephenson SL, Elgorban AM, Al-Rejaie S, Xiong YR, Promputtha I, Samarakoon MC, Tibpromma S. 2022 – Taxonomy and phylogeny of fungi associated with *Mangifera indica* from Yunnan, China. *Journal of Fungi* 8: 1249. <https://doi.org/10.3390/jof8121249>

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(Edited by **Maryam Tavakol & Kevin D Hyde**)

Published online 7 April 2023